

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) In vivo diagnostic or therapy micro-device comprising:
  - a substantially longitudinal body having a quadrilateral-shaped section, provided with at least one main canal in the direction of its length, one input of which is located at a first end of the body, and
  - ~~and several~~ a plurality of secondary canals connected to at least one main canal and opening up sideways by lateral outputs.
  
2. (Original) Micro-device according to claim 1, further comprising:
  - one or more electrodes arranged on an outside portion of the body,
  - one or more electrical connection pins located at the first end of the body close to the input to the said canal.
  
3. (Currently Amended) Micro-device according to claim 2, the electrical connection pins comprising micro-cavities made in the body of the micro-device, the cavities having ~~preferably~~ a height and width between 10  $\mu\text{m}$  and 50  $\mu\text{m}$ .
  
4. (Original) Micro-device according to claim 1, comprising at least two parallel main canals.
  
5. (Original) Micro-device according to claim 1, at least one of the main canals opening up to a second end of the body, called the distal end, and the inlet into at least one main canal being funnel-shaped.

6. (Original) Micro-device according to claim 1, the body having two parallel opposite surface areas between the first and the second ends, and comprising a second bevel-shaped end.
7. (Currently Amended) Micro-device according to claim 1, the body having a square or rectangular section in which each side has a maximum dimension of less than 900  $\mu\text{m}$ , ~~preferably less than 300  $\mu\text{m}$~~ , and the longitudinal extension of the body being ~~preferably~~ between 0.5 cm and 3 cm.
8. (Original) Micro-device according to claim 1, the body of the device being made of silicon.
9. (Original) Micro-device according to claim 1, further comprising a wave guide.
10. (Original) In vivo diagnostic or therapy micro-device comprising:
  - a substantially longitudinal body with a quadrilateral-shaped section, provided with at least one main canal in the direction of its length, one input of which is located at a first end of the body,
  - one or more electrodes located on an outside portion of the body,
  - one or more electrical connection pins located at the first end of the body, close to the input to said canal.
11. (Currently Amended) Micro-device according to claim 10, the electrical connection pins comprising micro-cavities made in the body of the micro-device, the micro-cavities having ~~preferably~~ a height and width between 10  $\mu\text{m}$  and 50  $\mu\text{m}$ .

12. (Original) Micro-device according to claim 10, comprising at least two parallel main canals.
13. (Original) Micro-device according to claim 10, at least one of the main canals opening up to a second end of the body, called the distal end, and the inlet into at least one main canal being funnel-shaped.
14. (Original) Micro-device according to claim 10, the body having two parallel opposite surface areas between the first and the second ends, and comprising a second bevel-shaped end.
15. (Currently Amended) Micro-device according to claim 10, the body having a square or rectangular section in which each side has a maximum dimension of less than 900  $\mu\text{m}$ , ~~preferably less than 300  $\mu\text{m}$~~ , and the longitudinal extension of the body being ~~preferably~~ between 0.5 cm and 3 cm.
16. (Original) Micro-device according to claim 10, the body of the device being made of silicon.
17. (Original) Micro-device according to claim 10, further comprising a wave guide.

Claims 18-24 (Cancelled)

25. (New) Micro-device according to claim 7 wherein the maximum dimension is less than 300  $\mu\text{m}$ .

26. (New) Micro-device according to claim 15 wherein the maximum dimension if less than 300  $\mu\text{m}$ .